

ABSTRACT OF THE DISCLOSURE

METHOD AND SYSTEM FOR TRACING CHANGES IN METRIC VARIABLES IN AN SYMMETRIC MULTIPROCESSOR (SMP) ENVIRONMENT

A method and system for monitoring performance of a program using global metric variables to provide the support in an symmetric multiprocessor (SMP) system. Java virtual machine (Jvm) either calls the profiler whenever bytes are allocated or provides an interface to allow the profiler to determine the value of the change in the metric for the current thread. The profiler then applies the changes to a metric for the current thread. Alternatively, per processor data areas are maintained for storing per processor metric values. Whenever a thread switch occurs or there is a request for the metric on a specified thread, an operating system kernel updates the thread level metric values with changes in the values per processor metrics.